

Page 1 of 2 Pages

INSTRUCTIONS FOR COMPLETING DD FORM 1423

(See DoD 5010.12M for detailed instructions.)

FOR GOVERNMENT PERSONNEL

- Item A. Self-explanatory.
- Item B. Self-explanatory.
- Item C. Mark (X) appropriate category: TDP - Technical Data Package; TM - Technical Manual; Other - other category of data, such as 'Provisioning', 'Configuration Management', etc.
- Item D. Enter name of system/item being acquired that data will
- Item E. Self-explanatory (to be filled in after contract award).
- Item F. Self-explanatory (to be filled in after contract award).
- Item G. Signature of preparer.
- Item H. Date CDRL was prepared.
- Item I. Signature of CDRL approval authority.
- Item J. Date CDRL was approved.
- Item 1. See DoD FAR Supplement Subpart 4.71 for proper numbering.
- Item 2. Enter title as it appears on data acquisition document cited in Item 4.
- Item 3. Enter subtitle of data item for further definition of data item (optional entry).
- Item 4. Enter Data Item Description (DID) number, military specification number, or military standard number listed in DoD 5010.12-L (AMSDL), or one-time DID number, that defines data content and format requirements.
- Item 5. Enter reference to tasking in contract that generates requirement for the data item (e.g. Statement of Work paragraph number).
- Item 6. Enter technical office responsible for ensuring adequacy of the data item.
- Item 7. Specify requirement for inspection/acceptance of the data item by the Government.
- Item 8. Specify requirement for approval of a draft before preparation of the final data item.
- Item 9. For technical data, specify requirement for contractor to mark the appropriate distribution statement on the data (ref DoDD 5230.24).
- Item 10. Specify number of times data items are to be delivered.
- Item 11. Specify as-of date of data item, when applicable.
- Item 12. Specify when first submittal is required.
- Item 13. Specify when subsequent submittals are required, when applicable.
- Item 14. Enter addresses and number of draft/final copies to be delivered to each addressee. Explain reproducible copies in Item 16.
- Item 15. Enter total number of draft/final copies to be delivered.
- Item 16. Use for additional/clarifying information for items 1 through 15. Examples are: Tailoring of documents cited in Item 4; Clarification of submittal dates in Items 12 and 13; Explanation of reproducible copies in Item 14; Desired medium for delivery of the data item.

FOR THE CONTRACTOR

Item 17. Specify appropriate price group from one of the following groups of effort in developing estimated prices for each data item listed on the DD Form 1423.

a. Group I. Definition - Data which is not otherwise essential to the contractor's performance of the primary contracted effort (production, development, testing and administration) but which is required by DD Form 1423.

Estimated Price - Costs to be included under Group I are those applicable to preparing and assembling the data item in conformance with Government requirements, and the administration and other expenses related to reproducing and delivering such data items to the Government.

b. Group II. Definition - Data which is essential to the performance of the primary contracted effort but the contractor is required to perform additional work to conform to Government requirements with regard to depth of content, format, frequency of submittal, preparation, control, or quality of the data item.

Estimated Price - Costs to be included under Group II are those incurred over and above the cost of the essential data item without conforming to Government requirements, and the administrative and other expenses related to reproducing and delivering such data item to the Government.

c. Group III. Definition - Data which the contractor must develop for his internal use in performance of the primary contracted effort and does not require any substantial change to conform to Government requirements with regard to depth of content, format, frequency of submittal, preparation, control, and quality of the data item.

Estimated Price - Costs to be included under Group III are the administrative and other expenses related to reproducing and delivering such data item to the Government.

d. Group IV. Definition - Data which is developed by the contractor as part of his normal operating procedures and his effort in supplying these data to the Government is minimal.

Estimated Price - Group IV items should normally be shown on the DD Form 1423 at no cost.

Item 18. For each data item, enter an amount equal to that portion of the total price which is estimated to be attributable to the production or development for the Government of that item of data. These estimated data prices shall be developed only from those costs which will be incurred as a direct result of the requirement to supply data, over and above those costs which would otherwise be incurred in performance of the contract if no data were required. The estimated data prices shall not include any amount for rights in data. The Government's right to use data shall be governed by the pertinent provisions of the contract.

REV:	ENGINEERING DATA REQUIREMENTS (ATTACHMENT "A")	
NOTE: MILITARY SPECIFICATIONS /STANDARDS WILL NOT BE FURNISHED IN THE BID SET.		
1. THE FOLLOWING INSTRUCTIONS ARE FURNISHED FOR THE MANUFACTURE OF CRANK, STEERING-NOSE LANDING GEAR		
2. PART NUMBER 68A450610-2003	3. NATIONAL STOCK NUMBER 1620-00-310-9834	
4. THE FOLLOWING SPECIFICATIONS/STANDARDS, ETC., WILL BE USED IN LIEU OF THE DATA INDICATED. THE SUPERSEDED DATA WILL NOT BE FURNISHED UNLESS SO INDICATED.		
5. Inspection requirements are as follows: <div style="margin-left: 40px;"> <p>A. Perform Magnetic particle inspection per ASTM E1444, fluorescent type, full wave direct current (FWDC), and wet continuous method. This part shall conform to Grade A quality level classification as specified in MIL-STD-1907. The inspector performing the inspection will be Level II certified with the inspection procedure developed by a Level III as specified in NAS-410.</p> <p>On incoming used chrome plated parts, the chrome plate will be inspected per ASTM E 1417 to verify it meets the requirements of MIL-STD-1501 as defined in this manual. Any excessive mud crack pattern is cause for rejection and requires stripping of the chrome plate.</p> <p>B. Perform fluorescent penetrant inspection per ASTM E 1417, Type I, Method B or C. Level 3 or 4. This part shall conform to Grade A quality level classification as specified in MIL-STD-1907. The inspector performing the inspection will be Level II certified with the inspection procedure developed by a Level III as specified in NAS-410.</p> </div>		
6. Heat Treat per MIL-H-6875 as an alternate to PS 15296.		
7. Temper Etch per MIL-STD-867 as an alternate to PS 21205.		
8. Mark & Identify per MIL-STD-130 as an alternate to PS 16001. <div style="margin-left: 40px;"> <p>A. (For large assemblies and components) Serial number shall be vibropeened, or steel stamped, in 0.09" letters 0.004"-0.007" deep in the location indicated. If the drawing does not indicate a location, OO-ALC/LILE will provide S/N location instructions. Serialization of item shall be accomplished as follows: The serialization will begin with the CAGE of the contractor named on the contract, followed by a dash and the 2 digit year of manufacture, followed by a dash and a sequentially unique 3 digit number. A contractor who receives numerous intermittent contract will start serialization of item with the next number in sequence of the prior contract. If a contract produces more than 999 items, the serial number should begin using 4 digit serial numbers. The serial number should appear like this: S/N 98747-95-001."</p> </div>		
9. Shot Peen per AMS-S-13165 as an alternate to PS 14023.		
10. Cadmium Plate per MIL-STD-870(Type II, Class 1) as an alternate to PS 13144.		
11. Chrome Plate per MIL-STD-1501(Type II, Class 3) can be used as an alternate to PS 13102.		
PREPARED BY DAVID H. ARGYLE	SYMBOL LGMPM	DATE 15 Mar 00

REV:	ENGINEERING DATA REQUIREMENTS CONTINUATION SHEET (ATTACHMENT "A")	
PART NUMBER		NATIONAL STOCK NUMBER
68A450610-2003		1620-00-310-9834
<p>12. Finish Specification 68A900000 will not be furnished. Finish per the following:</p> <p style="margin-left: 40px;">A. Apply one coat Epoxy Waterborne primer per MIL-PRF-85582, Type I, Class 2. Alternate primer, one coat Epoxy-Polamide per MIL-PRF-23377, Type I.</p> <p style="margin-left: 40px;">B. Apply two topcoats of Polyurethane per MIL-PRF-85285, Type I, color #17925 (White) per FED-STD-595.</p> <p>13. OO-ALC/LILE system engineering retains all rights to review and accept MRB'S prior to shipment of discrepant items. All deviations, minor and major, from the engineering drawing package will be submitted for MRB disposition.</p> <p>14. Prior to contract award, the contractor will certify to the government in writing, full compliance with manuals, specifications, and standards called out and required for the manufacture of this contracted landing gear component/assembly. Contractor is responsible to completely search these manuals, specifications, and standards and fully understand the requirements necessary to manufacture landing gear components. Any questions can be forwarded to this office OO-ALC/LILE.</p> <p>15. The required forgings will be procured from the qualified forging source using the original certified forging procedures and dies/tooling.</p> <p style="margin-left: 40px;">A. Prior to contract award the detail part bidder will provide certification from the forging source, to the government that the certified dies and and forging procedures are available and that the forging source has an agreement with the detail part bidder to provide forgings for their use in the event they are the successful bidder.</p> <p style="margin-left: 40px;">B. Prior to production, forging lot qualification will be accomplished as specified on the forging drawing and MIL-F-7190 (STEEL). The contractor will assure that this is, or has been accomplished by the forging source and will submit certified documentation of accomplishment to the Government.</p> <p>16. FORGING SOURCE, CONTROL AND LOCATION OF DIES:</p> <p style="margin-left: 40px;">A. Forging drawing: 68A450610-2001 Die number:</p> <p style="margin-left: 40px;">B. Control of forging process: McDonell Douglas</p> <p style="margin-left: 40px;">C. Location of Forging dies: W. PAT CROW 200 LUXTON STREET P.O. BOX 1720 FT. WORTH, TEXAS DIE NO. 2763 (817) 536-2861</p>		
PREPARED BY	SYMBOL	DATE
DAVID H. ARGYLE	LGMPM	15 Mar 00

SOURCE QUALIFICATION REQUIREMENTS
(PL 98-525, SECTION 2319)

STOCK NR (NSN) : 1620-00-310-9834

PART NUMBER (P/N) : 69A450610-2003

NOUN : Crank, Steering, NLG,

APPLICATION : F-15 A/B/C/D/E

SECTION C. QUALIFICATION

QUALIFICATION REQUIREMENTS. REQUIREMENTS THAT MUST BE SATISFIED FOR A PROSPECTIVE BIDDER TO BECOME A QUALIFIED SOURCE

1. Because of the need for uninterrupted item support to military aircraft systems and in keeping with the requirements of PL 98-525, the current acquisition need not and shall not be delayed to provide an offeror an opportunity to qualify. Normal acquisition practices at OO-ALC should preclude the denial of opportunity to any interested offeror.
2. The offeror must provide a pre-contract award qualification article which meets all the requirements of the engineering drawings, material specifications, and process specifications.
3. The qualification article shall be subjected to fit, form, and function verification as well as required testing to assure compliance with data list and other applicable procurement criteria. The qualification article shall demonstrate full compatibility and comparability with existing parts.
4. The required materials shall be procured from a qualified source and shall meet the requirements of their respective specifications. The offeror shall assure that this has been accomplished by the supplier and shall submit certified documentation of accomplishment of the above requirements to the purchaser along with the pre-contract award qualification article.
5. If forgings and/or castings are required by the applicable engineering data, they shall be obtained from the original certified source/sources using the original certified forging/casting procedures and dies. Forging lot qualification shall be accomplished as required by the applicable forging drawing. The offeror shall assure that this has been accomplished by the forging source and shall submit certified documentation of accomplishment to the government along with the pre-contract award qualification article.
6. The qualification article once submitted shall become subject to such testing as deemed necessary by the Government to prove that the article meets all dimensional, processing and functional requirements. Such testing may result in the destruction of the article. Following completion of necessary testing and evaluation, the article no matter what its condition shall be returned to the contractor or disposed of at his discretion and direction whether it was found acceptable or not.
7. Form verification: The Government's Quality Verification Center shall be used to insure compliance with the dimensional requirements of the article. Material and process compliance shall also be verified as required.
8. Fit/function verification: Existing components and Government test stands and fixtures shall be utilized to verify physical interface and functional performance of articles.

SOURCE QUALIFICATION REQUIREMENTS
(PL 98-525, SECTION 2319)

STOCK NR (NSN) : 1620-00-310-9834

PART NUMBER (P/N) : 68A450610-2003

NOUN : Crank, Steering, N.L.G.

APPLICATION : F-15A/B/C/D/E

8. Remarks:

a. Organic verification capabilities exist at OO-ALC.

b. Test or other requirements outside organic capabilities shall be provided by contracts to independent testing laboratories.

9. The estimated cost of government testing and evaluation is \$ 5,000.

10. Qualification by Similarity. An offeror who has had previous experience in the manufacture and qualification of items, which can be correlated with this product, may apply to the design control authority at OO-ALC for a waiver of the above stated qualification requirements.

a. The qualification waiver criteria utilized by the design control authority to perform a qualification analysis is available upon request.

b. The burden of proof for written inputs is on the offeror. The design control authority shall not pursue authenticity verification of claims made by the offeror of product manufacturing experience with other Government or non Government agencies. Unsubstantiated claims shall not be considered in the waiver analysis process.

c. This waiver shall be granted if and only if the design control authority (LILEC) can establish the qualifications of the offeror through the evaluation of written inputs from the offeror.

11. The current acquisition need not and shall not be delayed in order to provide an offeror with an opportunity to meet the requirements for qualification waiver.

PR, MPPR, OR DOCUMENT NUMBER **FD7020-03-22167**

1. PACKAGING REQUIREMENTS: Block 1 shall always be completed and further defined in Blocks 2, 3, or 4. The term "Item ID" refers to line item number, item name, NSN/MMAC, part NAME(s) OR NSN/MMAC	AFMCFARS 5352.247-9005, SHIPPING CONTAINER MARKING, ITEM NAME(S) OR NSN/MMAC
1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 81	

☒ Minimum (M). ASTM D3951 could be substituted by another document if specified in Block 2. Quantity Per Unit Pack (QUP) and Commercial Best Practice (CBP) are abbreviated. The reverse side of this form has the European Union environmental requirements.

10/06/00 01	1110	AFMCFARS 6352.247-9006, MARKING OF WARRANTED ITEMS.
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MIL-STD-2075.1	COMMERCIAL ATSM D3951	CBP	SPECIAL PACKAGING INSTRUCTION		AFMCFARS 5352.247-9007, SPECIFICATION COMMERCIAL	ITEM NAME(S) OR NSN/NW/MAC
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ITEM ID		PRES	PACK (ABIM)	PRES	PACK	NUMBER
		(X)	(X)	(X)	(X)	

AEMCEARS 5352 247-9008 CONTRACTOR COMMERCIAL

PACKAGING (Commercial Best Practice), ITEM NAME(S) OR NSN/IMMAC

		V	AMCFARS 5352.247-9009, MILITARY PACKAGING AND MARKING.
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ITEM NAME(S) OR NSN/MMAC
AFMCFARS 5352 247-9010. ENGINEERED OR SPECIALIZED

[illegible][illegible]

HAZARDOUS MATERIAL ITEM NAME(S) OR NSN/MMAC

[illegible][illegible]

	AFMCFARS 5352.247-9013, PACKAGING DATA (Coded and/or Special
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[illegible][illegible]

	QUANTITY	PRES	C	PRES	WRAP	CUSH	C	UNIT	INT	U	SPEC	UNIT PACK WEIGHT				O	P
												UNIT PACK SIZE					
												UNIT PACK CUBE					
												UNIT PACK CUBE					
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												UNIT PACK CUBE					
4. CODED UNIT A: Code requirements shall be interpreted in accordance with MIL-STD-2073-1.																	

[illegible]

0001 00100033100 XXXXXWR00300 000300063006301050000341M

[illegible][illegible][illegible][illegible]

ORGANIZATION	PACKAGING SPECIALIST (Typed Name/Signature)		DATE
	[Signature]		2/2/21

LGMPR

AFMC FORM 158, 20020102 (EF-V1)	<p>PREVIOUS EDITION IS OBSOLETE</p> <p>SEE REVERSE SIDE</p>
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